



# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: [office@kscst.iisc.ernet.in](mailto:office@kscst.iisc.ernet.in), [office@kscst.org.in](mailto:office@kscst.org.in) ♦ Website: [www.kscst.iisc.ernet.in](http://www.kscst.iisc.ernet.in), [www.kscst.org.in](http://www.kscst.org.in)  
[office.kscst@iisc.ac.in](mailto:office.kscst@iisc.ac.in)

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_3869**

Ref : Your Project Proposal entitled " **DESIGN AND MODELLING OF A VERTICAL AXIS WIND TURBINE TO EXTRACT WIND ENERGY FROM HIGHWAYS TO POWER ELECTRIC VEHICLE CHARGING STATIONS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Sanjay M.V.	Budget	
	Mr. Clavin Wilton Sequeira	Particulars	Amount (Rs.)
	Mr. T.D. Teeshma	Materials/Consumables	6,000.00
	Ms. Vishalakshi T. Bandiwad	Labour	500.00
Guide/s	Mr. Vishwaretha K.R.	Travel	500.00
	-	Miscellaneous	-
Department	Aeronautical Engineering	Report	500.00
		Total	7,500.00
	Seven Thousand Five Hundred Rupees Only		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [[spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in)] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Mr. Vishwaretha K.R.  
Department of Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_BE\_1036**

Ref : Your Project Proposal entitled " **ANTROPOTECHNIQUE SMART VERMI BIN FOR SUSTAINABLE SOLID WASTE MANAGEMENT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Allan Robin Pereira	Budget	
	Ms. Ankita Jaiwant Naik	Particulars	Amount (Rs.)
	Mr. Sharan Acharya	Materials/Consumables	2,000.00
	Mr. Abhideep S	Labour	500.00
Guide/s	Dr. Jayaprakash M C	Travel	1,000.00
	-	Miscellaneous	500.00
Department	Interdisciplinary (Civil & Ece)	Report	500.00
		Total	4,500.00
	Four Thousand Five Hundred Rupees Only		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

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**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Interdisciplinary (Civil & Ece)  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Dr. Jayaprakash M C  
Department of Interdisciplinary (Civil & Ece)  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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16th March 2020

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The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1037**

Ref : Your Project Proposal entitled " **GROUNDWATER UTILIZATION AND ITS ENVIRONMENTAL SUSTAINABILITY IN COASTAL AQUIFERS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. Anupama J	Budget	
	Mr. Shrajan Kumar Shetty K	Particulars	Amount (Rs.)
	Ms. Nithu N V	Materials/Consumables	2,000.00
	Mr. Ullas K	Labour	500.00
Guide/s	Dr. Jayaprakash M C	Travel	500.00
	-	Miscellaneous	500.00
Department	Civil Engineering	Report	500.00
		Total	4,000.00
	Four Thousand Rupees Only		

The following are the guidelines to carryout the project work :

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  - Name of the students & Guide(s)
  - Keywords

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## 6) Objectives (about 10 lines)

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(about 20 lines with specific reference to work carried out)

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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Dr. Jayaprakash M C  
Department of Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

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The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_BE\_1041**

Ref : Your Project Proposal entitled " **A STUDY ON BASALT FIBER REINFORCED COMPOSITE STRUCTURAL PANELS AS ALTERNATIVE BUILDING MATERIAL**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Pavan H N	Budget	
	Ms. Bhoomika S	Particulars	Amount (Rs.)
	Mr. Chandan R S	Materials/Consumables	3,000.00
	Mr. Rakshith	Labour	-
Guide/s	Mr. Yashwanth M K	Travel	-
	-	Miscellaneous	500.00
Department	Civil Engineering	Report	500.00
		Total	4,000.00
	Four Thousand Rupees Only		

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  - Keywords

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(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Mr. Yashwanth M K  
Department of Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March, 2020

Ref: 7.1.01/SPP/953

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Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_BE\_1042**

Ref : Your Project Proposal entitled " **EXPERIMENTAL INVESTIGATION ON PAVER BLOCKS BY PARTIAL REPLACING CEMENT BY LEAD SLAG, SAND BY M-SAND, WITH ADDITION OF WASTE PLASTIC BAGS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Students	Ms. Yashoda C Lamani	Budget	
	Mr. Sunil Rathod	Particulars	Amount (Rs)
	Mr. Vinay L J	Materials/Consumables	2,500.00
	Mr. Yogesh Mahesh Nagmule	Labour	500.00
Guide/s	Mr. Akshaya Krishna N	Travel	500.00
	Er. Rajendra Kalbhavi	Miscellaneous	500.00
Department	Civil Engineering	Report	500.00
		Total	4,500.00
	Four Thousand Five Hundred Rupees Only		

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  - Name of the College & Department
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  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

**AVOID PLASTIC, USE ONLY SLAG AND OTHERS**

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Mr. Akshaya Krishna N  
Department of Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

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The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_3876**

Ref : Your Project Proposal entitled " **GENERATION OF PHOTO REALISTIC IMAGES USING GAN AND SPADE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Adarsh Krishna Revankar	Budget	
	Ms. Akshaya M	Particulars	Amount (Rs.)
	Mr. Dogra Jagtamba Prasad	Materials/Consumables	2,000.00
	-	Labour	-
Guide/s	Dr. Venkatramana Bhat P	Travel	500.00
	-	Miscellaneous	-
Department	Computer Science And Engineering	Report	500.00
		<b>Total</b>	<b>3,000.00</b>
	<b>Three Thousand Rupees Only</b>		

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  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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Thanking you and with best regards,

Yours sincerely,



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Computer Science And Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Dr. Venkatramana Bhat P  
Department of Computer Science And Engineering  
Mangalore Institute Of Technology And Engineering,  
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Executive Secretary

16th March 2020

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Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1027**

Ref : Your Project Proposal entitled " **AOTOMATED STILL WATER TRASH COLLECTING BOAT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. Sowmyashree	Budget	
	Ms. Shrirathna K G	Particulars	Amount (Rs.)
	Ms. Sruthi P Nair	Materials/Consumables	3,000.00
	Ms. Pooja	Labour	-
Guide/s	Mr. Krishnamoorthy K	Travel	-
	-	Miscellaneous	500.00
Department	Computer Science And Engineering	Report	500.00
		Total	4,000.00
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  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

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(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Computer Science And Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Mr. Krishnamoorthy K  
Department of Computer Science And Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: [office@kscst.iisc.ernet.in](mailto:office@kscst.iisc.ernet.in), [office@kscst.org.in](mailto:office@kscst.org.in) ♦ Website: [www.kscst.iisc.ernet.in](http://www.kscst.iisc.ernet.in), [www.kscst.org.in](http://www.kscst.org.in)  
[office.kscst@iisc.ac.in](mailto:office.kscst@iisc.ac.in)

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1022**

Ref : Your Project Proposal entitled " **AUTOMATIC HEADLAMP CONTROL USING MICROCONTROLLER**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Bhargavakrishna S K	Budget	
	Ms. Kavya S	Particulars	Amount (Rs.)
	Ms. Kavya G G	Materials/Consumables	4,000.00
	Mr. Abhishek	Labour	500.00
Guide/s	Dr. Vinayambika S Bhat	Travel	500.00
	-	Miscellaneous	-
Department	Electronics And Communication Engineering	Report	500.00
		Total	5,500.00
	Five Thousand Five Hundred Rupees Only		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [[spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in)] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

6) Introduction / background

43S\_BE\_1022

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Dr. Vinayambika S Bhat  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1021**

Ref : Your Project Proposal entitled " **SPEED BREAKER DETECTION AND ACCIDENT AVOIDANCE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Vaibhav Nayak	Budget	
	Mr. Akshay	Particulars	Amount (Rs.)
	Ms. Vijayashri	Materials/Consumables	4,000.00
	Mr. Suchetha Naik	Labour	500.00
Guide/s	Mr. Ranjith H D	Travel	500.00
	-	Miscellaneous	500.00
Department	Electronics And Communication Engineering	Report	500.00
		Total	6,000.00
	Six Thousand Rupees Only		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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  - Name of the students & Guide(s)
  - Keywords

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(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

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(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Mr. Ranjith H D  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_BE\_3881**

Ref : Your Project Proposal entitled " **INTELLIGENT WIPER SYSTEM FOR VEHICLES**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Arun Kumar	Budget	
	Mr. Prasad	Particulars	Amount (Rs.)
	Mr. Suman P.N.	Materials/Consumables	4,000.00
	Mr. Vishwanatha J	Labour	-
Guide/s	Mr. Dony A. D'Souza	Travel	-
	-	Miscellaneous	500.00
Department	Electronics And Communication Engineering	Report	500.00
		Total	5,000.00
	Five Thousand Rupees Only		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Mr. Dony A. D'Souza  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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office.kscst@iisc.ac.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1026**

Ref : Your Project Proposal entitled " **DE-DUPLICATION IN CLOUD**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. K S Snehalatha	Budget	
	Ms. Rashmi	Particulars	Amount (Rs.)
	Ms. Poorvika N N	Materials/Consumables	500.00
	Ms. Aishwarya	Labour	-
Guide/s	Mr. Rajesh N Kamath	Travel	500.00
	-	Miscellaneous	500.00
Department	Information Science And Engineering	Report	500.00
		Total	2,000.00
	Two Thousand Rupees Only		

The following are the guidelines to carryout the project work :

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- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Information Science And Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Mr. Rajesh N Kamath  
Department of Information Science And Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1008**

Ref : Your Project Proposal entitled " **CONCENTRATING SOLAR POWER USING FRESNEL LENS WITH INTERNET OF THINGS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Karthik M Naik	Budget	
	Mrs. Bhavya	Particulars	Amount (Rs.)
	Mr. Siddesh Kumar	Materials/Consumables	4,000.00
	Mr. Vikram	Labour	-
Guide/s	Mr. Girish L V	Travel	-
	-	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	5,000.00
	Five Thousand Rupees Only		

The following are the guidelines to carryout the project work :

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- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Mr. Girish L V  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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[office.kscst@iisc.ac.in](mailto:office.kscst@iisc.ac.in)

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1012**

Ref : Your Project Proposal entitled " **FABRICATION OF BIODEGRADABLE COMPOSITE LAMINATE AND MINIMIZATION OF DELAMINATION USING CENOSPHERE AS FILLER**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Imaad Salim Shaikh	Budget	
	Mr. Gagan G Amin	Particulars	Amount (Rs.)
	Mr. Bharath Kumar Rai K	Materials/Consumables	4,000.00
	Ms. Madhushree K	Labour	-
Guide/s	Mrr. Aveen K P	Travel	-
	-	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	5,000.00
	Five Thousand Rupees Only		

The following are the guidelines to carryout the project work :

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  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Mrr. Aveen K P  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1019**

Ref : Your Project Proposal entitled " **REMOTE OPERATED ARECANUT PLUCKING AND SPRAYING MACHINE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Pramith Shetty	Budget	
	Mr. Venkatesh Prabhu N	Particulars	Amount (Rs.)
	Mr. Rakesh	Materials/Consumables	5,000.00
	Mr. Ashwin K	Labour	500.00
Guide/s	Mr. Purandara Naik	Travel	500.00
	Mr. Bhanuprakash H S	Miscellaneous	-
Department	Mechanical Engineering	Report	500.00
		Total	6,500.00
	Six Thousand Five Hundred Rupees Only		

The following are the guidelines to carryout the project work :

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  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Mr. Purandara Naik  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: [office@kscst.iisc.ernet.in](mailto:office@kscst.iisc.ernet.in), [office@kscst.org.in](mailto:office@kscst.org.in) ♦ Website: [www.kscst.iisc.ernet.in](http://www.kscst.iisc.ernet.in), [www.kscst.org.in](http://www.kscst.org.in)  
[office.kscst@iisc.ac.in](mailto:office.kscst@iisc.ac.in)

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_BE\_1020**

Ref : Your Project Proposal entitled " **UTILIZATION OF WASTE PLASTIC AND WASTE PAPER IN MANUFACTURING OF ROOF TILES**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Amal Madhusoothanan	Budget	
	Ms. Velsa Sophia Pinto	Particulars	Amount (Rs.)
	Mr. Mohammed Suhail Sadiq	Materials/Consumables	3,000.00
	Mr. Deepak Baburaj	Labour	500.00
Guide/s	Mr. Yajnesha P Shettigar	Travel	500.00
	-	Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	5,000.00
	Five Thousand Rupees Only		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [[spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in)] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Mr. Yajnesha P Shettigar  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_BE\_3883**

Ref : Your Project Proposal entitled " **DESIGN AND DEVELOPMENT OF A CONCEPT FOR  
ENHANCING THE PRODUCTION OF BIODIESEL FROM  
FISH OIL AND WASTE FISH OIL WAX**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Denzil Dias	Budget	
	Mr. Royston Bosco Saldanha	Particulars	Amount (Rs.)
	Mr. Ullas Kumaar Shetty C	Materials/Consumables	4,000.00
	-	Labour	500.00
	Dr. Lokesh M	Travel	500.00
	-	Miscellaneous	500.00
Guide/s		Report	500.00
Department	Mechanical Engineering	<b>Total</b>	<b>6,000.00</b>
<b>Six Thousand Rupees Only</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Dr. Lokesha M  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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office.kscst@iisc.ac.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_BE\_1029**

Ref : Your Project Proposal entitled " **CONVERTING SALT WATER TO FRESH WATER USING SOLAR DESALINATION TECHNIQUE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Mourya Raj Shetty	Budget	
	Mr. Sidramappa	Particulars	Amount (Rs.)
	Mr. Harshithgowda	Materials/Consumables	6,000.00
	-	Labour	-
Guide/s	Mr. Chennakeshava K	Travel	-
	-	Miscellaneous	500.00
Department	Mechatronics	Report	500.00
		Total	7,000.00
	Seven Thousand Rupees Only		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

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**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Mr. Chennakeshava K  
Department of Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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office.kscst@iisc.ac.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_BE\_1035**

Ref : Your Project Proposal entitled " **AUTOMATIC BEACH CLEANING ROBOT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. Iral Patricia Noronha	Budget	
	Mr. Rayan Dominic Pinto	Particulars	Amount (Rs.)
	Mr. Kiran G	Materials/Consumables	5,000.00
	Mr. Stephen Rion Vegas	Labour	500.00
Guide/s	Prof. K Praveen Shenoy	Travel	500.00
	-	Miscellaneous	500.00
Department	Mechatronics	Report	500.00
		Total	7,000.00
	Seven Thousand Rupees Only		

The following are the guidelines to carryout the project work :

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- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
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- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Prof. K Praveen Shenoy  
Department of Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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office.kscst@iisc.ac.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_BE\_1031**

Ref : Your Project Proposal entitled " **CARBON EXTRACTION FROM THE ATMOSPHERE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Joel Serrao	Budget	
	Ms. Jasline Loren Tauro	Particulars	Amount (Rs.)
	Mr. Adarsh P	Materials/Consumables	6,000.00
	Mr. Sudheendra	Labour	-
Guide/s	Mr. Kiran Kumar M V	Travel	-
	-	Miscellaneous	500.00
Department	Mechatronics	Report	500.00
		Total7,000.00	
	Seven Thousand Rupees Only		

The following are the guidelines to carryout the project work :

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  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

2) Mr. Kiran Kumar M V  
Department of Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March, 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

**Your Project Proposal Reference No. : 43S\_MBA\_006**

Ref : Your Project Proposal entitled " **DESIGNING SUSTAINABLE MARKETING STRATEGIES FOR THE BIOGAS (METHANE) EXTRACTED FROM ORGANIC (VEGETABLE) BIODEGRADABLE WASTE FOR THE RURAL POPULATION OF DAKSHINA KANNADA**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Students	Ms. Rachana S Kotian	Budget	
	Mr. Jovan Adal Aroza	Particulars	Amount (Rs)
	Mr. Sujith Wilson Quadras	Materials/Consumables	-
	-	Labour	-
Guide/s	Mr. Pradeep Kumar Br	Travel	3,000.00
	-	Miscellaneous	500.00
Department	Master Of Business Administration	Report	500.00
		Total	4,000.00
	Four Thousand Rupees Only		

The following are the guidelines to carryout the project work :

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  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

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## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

*FEEDSTOCK AVAILABILITY-COLLECTION, SEGREGATION AND PRODUCTION OF BIOGAS.  
BIOGAS PRODUCTION PER MT OF WASTE. FEASIBILITY STUDY VS REGULAR LPG.  
ENVIRONMENTAL ISSUES. FURTHER PROPOSAL FOR CBG PRODUCTION.*

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Master Of Business Administration  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Mr. Pradeep Kumar Br  
Department of Master Of Business Administration  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
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**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March, 2020

Ref: 7.1.01/SPP/953

The Principal,  
Mangalore Institute of Technology and Engineering,  
Moodabidri - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S\_MBA\_011**

Ref : Your Project Proposal entitled " **A STUDY ON OPPORTUNITIES AND CHALLENGES TO COMMERCIALISE BIODEGRADABLE PRODUCTS IN DAKSHINA KANNADA AND UDUPI DISTRICTS OF KARNATAKA**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Students	Mr. Darshan M B	Budget	
	Mr. Arunkumar K N	Particulars	Amount (Rs)
	Ms. Vaishnavi	Materials/Consumables	-
	Mr. Chaithanya N M	Labour	-
Guide/s	Prof. K Abhaya Kumar	Travel	3,000.00
	-	Miscellaneous	500.00
Department	Master Of Business Administration	Report	500.00
		Total	4,000.00
	Four Thousand Rupees Only		

The following are the guidelines to carryout the project work :

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  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

*FIRST SPECIFY THE BIODEGRADABLE PRODUCTS. REPLACING OF NON DEGRADABLE PRODUCTS - SPECIFY. FEASIBILITY STUDY.*

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Master Of Business Administration  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 2) Prof. K Abhaya Kumar  
Department of Master Of Business Administration  
Mangalore Institute Of Technology And Engineering,  
Moodabidri - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0523**

Ref : Your Project Proposal entitled " **STUDY OF TENSILE, IMPACT AND VIBRATIONAL CHARACTERISTICS OF HYBRID POLYMER MATRIX COMPOSITES.**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Manjunath Reddy Y S and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Prof. Ajith Kumar	Labor	500.00
		Travel	500.00
Department	Aeronautical Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	6,500.00
SIX THOUSAND FIVE HUNDRED RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

## 1) The Head of the Department of

Aeronautical Engineering

Mangalore Institute Of Technology And Engineering,

Badaga Mijar, Moodabidri,

Mangaluru - 574 225.

## 2) Prof. Ajith Kumar

Department of Aeronautical Engineering

Mangalore Institute Of Technology And Engineering,

Badaga Mijar, Moodabidri,

Mangaluru - 574 225.

## 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_2970**

Ref : Your Project Proposal entitled " **FABRICATION OF HYBRID COMPOSITE BY NATURAL FIBER AND EVALUATION OF ITS MECHANICAL PROPERTIES**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Rathan Nayak K and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Mrs. Sahana D S	Labor	500.00
		Travel	500.00
Department	Aeronautical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
FIVE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mrs. Sahana D S  
Department of Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
**Executive Secretary**

27th March, 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
**Your Project Proposal Reference No. : 42S\_BE\_0517**

Ref : Your Project Proposal entitled " **DESIGN OF AUTONOMOUS UNMANNED AERIAL VEHICLE WITH SELF OBSTACLE DETECTION AND COLLISION AVOIDANCE**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students.	Mr. Naveen S Yankanchi and others	Budget	Amount (Rs)
		Materials/Consumables	6,500.00
Guide/s	Prof. Yathin K L	Labor	-
		Travel	500.00
Department	Aeronautical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	8,000.00
EIGHT THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

**CONTROL OF THE SPRAYING DUSTING BRING OUT IN THE PROJECT.**

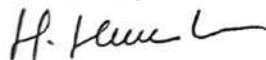
The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemant Kumar)

Copy to:

- 1) The Head of the Department of  
Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Prof. Yathin K L  
Department of Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering, Badaga Mijar,  
Moodabidri,  
Mangaluru - 574 225

Dear Sir/Madam,

Sub : Sanction of Student Project (Biofuel) - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_B\_BE\_036**

Ref : Your Project Proposal entitled " **EXTRACTION OF BIODIESEL FROM MICRO ALGAE**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme (Biofuel)- 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Simrin Tamboli and others	Budget	Amount (Rs)
		Materials/Consumables	2,500.00
Guide/s	Prof. Yathin K L	Labor	500.00
		Travel	1,000.00
Department	Aeronautical Engineering	Analysis	1,000.00
		Miscellaneous	1,000.00
		Report	500.00
		TOTAL	6,500.00
RUPEES SIX THOUSAND FIVE HUNDRED ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- The project report shall mention the name of "**Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology**" as sponsored organisations in the title page. Project Title or the objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Best Projects will be awarded in Final Seminar / Exhibition.

The following are the extract of comments / suggestions made by expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

CHARACTERIZE THE OIL AND DECIDE IF IT CAN BE USED FOR AVIATION FUEL

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The dates of Mid term evaluation of the sponsored projects will be intimated shortly by email / Website announcement..**

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering, Badaga Mijar,  
Moodabidri,  
Mangaluru - 574 225
- 2) Prof. Yathin K L  
Department of Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering, Badaga Mijar,  
Moodabidri,  
Mangaluru - 574 225
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March, 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : **42S\_BE\_2971**

Ref : Your Project Proposal entitled " **EXPERIMENTAL STUDIES ON LATERITIC SOIL STABILIZED WITH WASTE ENGINE OIL AND LIME**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Ms. Shashwathi S Shetty and others	Budget	Amount (Rs)
		Materials/Consumables	1,500.00
Guide/s	Dr. Jayaprakash M C	Labor	-
		Travel	500.00
Department	Civil Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	3,000.00
THREE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

**DO NOT MISX ENGINE OIL. ATTEMPT USING LIME, LIME +OPC. ASCERTAIN WET UCS.**

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Dr. Jayaprakash M C  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0511**

Ref : Your Project Proposal entitled " **PROGRESS OF SALT WATER INTRUSION WITH VARYING CLIMATIC CONDITIONS AND GROUNDWATER TABLE IN THE COASTAL BELT OF MANGALURU**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Nishan T and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Mr. Shashikumar S. B.	Labor	-
		Travel	-
Department	Civil Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	4,000.00
FOUR THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

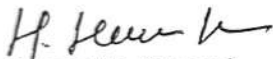
The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Shashikumar S. B.  
Department of Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0503**

Ref : Your Project Proposal entitled " **LOW COST IOT BASED PLANT PHENOTYPING SYSTEM**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Ravi Moolya and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Prof. Sunil Kumar	Labor	500.00
		Travel	500.00
Department	Computer Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,000.00
	SIX THOUSAND RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide.**

**The softcopy of the write-up, in MS Word format, should be sent by e-mail**

**(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Computer Science And Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Prof. Sunil-Kumar  
Department of Computer Science And Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March, 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_2968**

Ref : Your Project Proposal entitled " **SMART HELMET AND ACCIDENT DETECTION SYSTEM FOR RIDER SAFETY**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Vigneshnaik K and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Mr. Ashok K N	Labor	500.00
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	8,000.00
EIGHT THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

- 5) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

- e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

**NEEDS USER FRIENDLY APPROACH**

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Ashok K N  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March, 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0526**

Ref : Your Project Proposal entitled " **WIRELESS CHARGING SYSTEM FOR ELECTRIC VEHICLES**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Ms. Darrel Reesha Pinto and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Prof. Sathisha Shetty	Labor	500.00
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide.**

**The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

*IDENTIFY THE AUTOMOBILE INDUSTRY AND EXPLORE THE POSSIBILITY OF TRANSFER OF TECHNICAL KNOW HOW. DEVELOP THE PRODUCT WITH GOOD PACKING OF THE PROTOTYPE. DEMONSTRATE THE PROTOTYPE DURING THE INSPECTION OF THE WORK BY KSCST OFFICIALS.*

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Prof. Sathisha Shetty  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





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## Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : **42S\_BE\_0532**

Ref : Your Project Proposal entitled " **POWER GENERATION FROM THE WASTED ENERGY OF MOVING VEHICLE USING SPEED BREAKER**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Anusha and others	Budget	Amount (Rs)
		Materials/Consumables	2,000.00
Guide/s	Prof. Rishma Mary George	Labor	500.00
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	4,000.00
	FOUR THOUSAND RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Prof. Rishma Mary George  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March, 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0533**

Ref : Your Project Proposal entitled " **EARLY DETECTION OF PEST IN AGRICULTURE USING IMAGE PROCESSING**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Ms. Arpitha and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Mr. Srikrishna Shastri	Labor	-
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,500.00
	FIVE THOUSAND FIVE HUNDRED RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

*NICE IDEA. TEST IT ON A SMALL PATCH OF THE AGRICULTURAL FIELD.*

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Srikrishna Shastri  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : **42S\_BE\_2178**

Ref : Your Project Proposal entitled " **AUTOMATIC AUTOMOTIVE GEAR PREDICTION SYSTEM**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Sampath T C V and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Prof.Taranath H B	Labor	500.00
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>7,000.00</b>
<b>SEVEN THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Prof.Taranath H B  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0557**

Ref : Your Project Proposal entitled " **MULTIPURPOSE WATER AND FERTILIZER SPRAYER PLATING MACHINE**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Rakesh and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Mr. Rahul S	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report .	500.00
		TOTAL	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Rahul S  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0551**

Ref : Your Project Proposal entitled " **TENDER COCONUT QUALITY DETECTOR AND AUTOMATIC CUTTER USING IMAGE PROCESSING AND ARTIFICIAL INTELLIGENCE**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Jerrin James and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Mr. Bhanuprakash H S	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
FIVE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Bhanuprakash H S  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : 42S\_BE\_0554

Ref : Your Project Proposal entitled " **DESIGN AND DEVELOPMENT OF FUELLESS WATER PUMP**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Mayur B M and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Mr. Ganesh Raj Urs	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Ganesh Raj Urs  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
**Executive Secretary**

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

**Your Project Proposal Reference No. : 42S\_BE\_0556**

Ref : Your Project Proposal entitled " **DESIGN AND DEVELOPMENT OF AGRICOPTER DRONE**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Bhargava K and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Mr. Rueben	Labor	-
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,500.00
	SIX THOUSAND FIVE HUNDRED RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

2) Mr. Rueben  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



# Karnataka State Council for Science and Technology

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March, 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_2955**

Ref : Your Project Proposal entitled " **MULTIPURPOSE MACHINE FOR ARECANUT FARMING**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Deekshith and others	Budget	Amount (Rs)
		Materials/Consumables	7,000.00
Guide/s	Mr. Mohan Kumar	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	9,000.00
	NINE THOUSAND RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

*DESIGN CAN BE EXAMINED FOR PATENT AND CAN BE IMPROVED FURTHER FOR SOCIALLY INNOVATION USER FRIENDLY MODEL SAFETY MEASURES.*

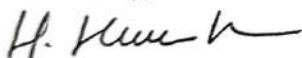
The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Mohan Kumar  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

**Your Project Proposal Reference No. : 42S\_BE\_0563**

Ref : Your Project Proposal entitled " **FULLY AUTOMATED SOLAR GRASS CUTTER**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Keerthan and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Mr. Shreedhar	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

2) Mr. Shreedhar  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0564**

Ref : Your Project Proposal entitled " **DESIGN AND FABRICATION OF OIL SKIMMER**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Shetty Sandesh Anand Usha and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Prof. T.K Chandrashekar	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Prof. T.K Chandrashekar  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : 42S\_BE\_0565

Ref : Your Project Proposal entitled " **AUTOMATED SEED SOWING MACHINE WITH WATER AND FERTILIZER SPRAYER**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Shetty Praneet Harish and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Mr. Sridhar D.R	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Sridhar D.R  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above

# Karnataka State Council for Science and Technology

## Indian Institute of Science Campus, Bengaluru - 560 012

**KSCST**

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

Dear Sir/Madam,

Sub : Sanction of Student Project (Biofuel) - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_B\_BE\_038**

Ref : Your Project Proposal entitled " **EXTRACTION AND OPTIMIZATION OF BIODIESEL FROM DIFFERENT BREEDS OF CATTLE URINE AND ANALYSIS OF ITS PERFORMANCE CHARACTERISTICS USING 4-STROKE SINGLE CYLINDER COMPRESSION IGNITION ENGINE**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme (Biofuel)- 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Nithin and others	Budget	Amount (Rs)
		Materials/Consumables	1,500.00
Guide/s	Mr. Bhanuprakash Hs	Labor	500.00
		Travel	2,000.00
Department	Mechanical Engineering	Analysis	500.00
		Miscellaneous	1,000.00
		Report	500.00
		<b>TOTAL</b>	<b>6,000.00</b>
	<b>RUPEES SIX THOUSAND ONLY</b>		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- The project report shall mention the name of "**Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology**" as sponsored organisations in the title page. Project Title or the objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Best Projects will be awarded in Final Seminar / Exhibition.

The following are the extract of comments / suggestions made by expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

1. THE PRODUCTION BIODIESEL FROM DIFFERENT BREEDS OF CATTLE URINE IS FOUND NOT FEASSIBLE 2. THE PRODUCTION OF BIODIESEL FOR COW URINE CAN BE TRIED. 3. IT IS AN ATTEMPT TO LOOK INTO THE VARIOUS OPTIONS FOR BIODIESEL PRODUCTION. 4. THE FEASIBILITY AT THIS STAGE MAY NOT BE LOOKED INRO IT. ANY WAY THE PROJECT TO BE CARRIEDOUT BY REFERING LITERATURE AVAILABLE ON THIS

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The dates of Mid term evaluation of the sponsored projects will be intimated shortly by email / Website announcement..**

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

2) Mr. Bhanuprakash Hs  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

## Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

Dear Sir/Madam,

Sub : Sanction of Student Project (Biofuel) - 42nd Series: Year 2018-2019

**Your Project Proposal Reference No. : 42S\_B\_BE\_040**

Ref : Your Project Proposal entitled " **EXTRACTION OF BIO-DIESEL FROM WASTE FISH OIL WAX**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme (Biofuel)- 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Rajat Ravindra Patankar and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Prof. M Lokesha	Labor	1,500.00
		Travel	1,000.00
Department	Mechanical Engineering	Analysis	1,000.00
		Miscellaneous	1,000.00
		Report	500.00
		TOTAL	8,000.00
RUPEES EIGHT THOUSAND ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- The project report shall mention the name of "Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology" as sponsored organisations in the title page. Project Title or the objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following :

- Title of the project
- Name of the College & Department
- Name of the students & Guide(s)
- Keywords

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Best Projects will be awarded in Final Seminar / Exhibition.  
The following are the extract of comments / suggestions made by expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

THE STUDY SHOULD MORE ELOBERATE AND FOCUS ON BIODIESEL PRODUCTION IS TO RECOVERY. EFFECTIVE UTILISATION OF WASTE FISH OIL AS FEED STOCK, COST EFFECTIVE TO BE CONSIDERING FINACIAL IMPLICATIONS

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The dates of Mid term evaluation of the sponsored projects will be intimated shortly by email / Website announcement..**

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

2) Prof. M Lokesha  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

Dear Sir/Madam,

Sub : Sanction of Student Project (Biofuel) - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_B\_BE\_041**

Re : Your Project Proposal entitled " **A STUDY ON PERFORMANCE AND EMISSION CHARACTERISTICS OF CI ENGINE USING NANO PARTICLES (ZnO, Al<sub>2</sub>O<sub>3</sub>, GRAPHENE) BLENDED WITH DIESEL-DWS BIODIESEL-ETHANOL BLENDS**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme (Biofuel)- 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr.Bradley Mathias and others	Budget	Amount (Rs)
Guide/s	Prof. Vijaykumar Meti	Materials/Consumables	3,500.00
		Labor	3,000.00
		Travel	1,000.00
Department	Mechanical Engineering	Analysis	500.00
		Miscellaneous	1,000.00
		Report	500.00
		TOTAL	9,500.00
RUPEES NINE THOUSAND FIVE HUNDRED ONLY			

following are the guidelines to carryout the project work :

The project should be performed based on the objectives of the proposal sent by you.

- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- The project report shall mention the name of "**Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology**" as sponsored organisations in the title page. Project Title or the objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Best Projects will be awarded in Final Seminar / Exhibition.

The following are the extract of comments / suggestions made by expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

YOU HAVE NOT DISCUSSED THE EFFECT OF NANOPARTICLES LET OUT INTO THE ATMOSPHERE AFTER COMBUSTION ON THE HEALTH OF HUMANS


The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The dates of Mid term evaluation of the sponsored projects will be intimated shortly by email / Website announcement..**

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

2) Prof. Vijaykumar Meti  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : **42S\_BE\_0541**

Ref : Your Project Proposal entitled " **PRODUCTION OF INK AND PAINT PRODUCTS FROM  
INTERNAL COMBUSTION ENGINE EXHAUST SOOT**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Mohammad Arzoo and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Mrs. Rumana Ali	Labor	-
		Travel	500.00
Department	Mechatronics	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,500.00
	SEVEN THOUSAND FIVE HUNDRED RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Mechatronics

Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

2) Mrs. Rumana Ali

Department of Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : **42S\_BE\_0543**

Ref : Your Project Proposal entitled " **DESIGN AND IMPLEMENTATION OF HYBRID ELECTRIC TRANSMISSION SYSTEM**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Manjunath S and others	Budget	Amount (Rs)
		Materials/Consumables	8,000.00
Guide/s	Mr. Sharath D	Labor	-
		Travel	-
Department	Mechatronics	Miscellaneous	500.00
		Report	500.00
		TOTAL	9,000.00
	NINE THOUSAND RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemant Kumar)

Copy to:

1) The Head of the Department of  
Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

2) Mr. Sharath D  
Department of Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : **42S\_BE\_0547**

Ref : Your Project Proposal entitled " **DESIGN AND FABRICATION OF REMOTE CONTROLLED VEHICLE WASHER**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Abdul Khader A K and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Mr. Kiran Kumar M.V	Labor	500.00
		Travel	-
Department	Mechatronics	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,500.00
	SIX THOUSAND FIVE HUNDRED RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

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**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of  
Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Kiran Kumar M.V  
Department of Mechatronics  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above





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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

Dear Sir/Madam,

Sub : Sanction of Student Project (Biofuel) - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. :

42S-B-MBA-004

Ref : Your Project Proposal entitled "

**BIOGAS AND ORGANIC VEGETABLES - FINANCIALLY  
FEASIBLE AGRI BUSINESS PROJECT WITH SPECIAL  
REFERENCE TO DEDS SCHEME OF NABARD**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme (Biofuel)- 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Rakshit and others	Budget	
Guide/s	Prof. K Abhaya Kumar	Materials/Consumables	
		Labor	
		Travel	3,000.00
Department	Master Of Bussiness Adminstration	Analysis	
		Miscellaneous	1,500.00
		Report	500.00
		<b>TOTAL</b>	<b>5,000.00</b>
	<b>RUPEES FIVE THOUSAND ONLY</b>		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- The project report shall mention the name of "**Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology**" as sponsored organisations in the title page. Project Title or the objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)**

## e) Best Projects will be awarded in Final Seminar / Exhibition.

The following are the extract of comments / suggestions made by expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

1. TITLE: BIOGAS AND ORGANIC FARMING 2. OBJECTIVES OF REFERRED: INTEGRATED PROJECT OF DAIRY, ORGANIC FARMING AND BIOGAS MANUFACTURE - CLEARLY DEFINED 3. EXPECTED OUTCOME: RURAL ENERGY NEEDS, EMPLOYMENT AND SOCIAL ISSUES


The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The dates of Mid term evaluation of the sponsored projects will be intimated shortly by email / Website announcement..**

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Master Of Bussiness Adminstration  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

2) Prof. K Abhaya Kumar  
Department of Master Of Bussiness Adminstration  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

3) The Finance Officer, KSCST, Bangalore

Encl: As Above





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**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

Dear Sir/Madam,

Sub : Sanction of Student Project (Biofuel) - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : 42S\_B\_MBA\_005

Ref : Your Project Proposal entitled "

**BIOFUEL FROM PALM SEEDS - A FEASSIBILITY STUDY WITH  
REFERENCE TO DAKSHINA KANNADA DISTRICT**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme (Biofuel)- 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Prajnesh and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Prof. Ajith Dmello	Labor	500.00
		Travel	1,000.00
Department	Master Of Bussiness Adminstration	Analysis	-
		Miscellaneous	1,000.00
		Report	500.00
		<b>TOTAL</b>	<b>7,000.00</b>
	<b>RUPEES SEVEN THOUSAND ONLY</b>		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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- Please quote your project reference number printed above in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)**

## e) Best Projects will be awarded in Final Seminar / Exhibition.

The following are the extract of comments / suggestions made by expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

1. CHANGE TITLE: FEASIBILITY STUDY BIODIESEL PRODUCTION FROM PALM SEEDS - DAKSHINA KANNADA DISTRICT 2. SCOPE-OBJECTIVE  
A) ESTIMATION OF PALM SEEDS QUANTITY WHICH IS NECESSARY TO ESTIMATE THE EXPECTED BIODIESEL PRODUCTION IN DAKSHINA KANNADA B) ESTIMATION OF OIL CONTENT IN SEEDS C) FEASIBILITY STUDY - ESTABLISHMENT OF BIODIESEL MANAGEMENT UNIT D) FINANCIAL ANALYSIS, OPERATING COST, CASH AND FUND FLOW ROI ETC

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

**The dates of Mid term evaluation of the sponsored projects will be intimated shortly by email / Website announcement..**

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Master Of Bussiness Adminstration  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

2) Prof. Ajith Dmello  
Department of Master Of Bussiness Adminstration  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

3) The Finance Officer, KSCST, Bangalore

Encl: As Above





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March, 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : **41S\_BE\_0175**

Ref : Your Project Proposal entitled " **FAULT DIAGNOSIS IN BELT DRIVE TRANSMISSION USING WAVELET SPECTRUM**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Balaji K N and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Prof. Sujesh	Labor	-
		Travel	-
Department	Aeronautical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,000.00
	RUPEES RUPEES SIX THOUSAND		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**


*BELT DRIVE WILL BE HAVING SLIP. HOW WILL YOU AVOID THE SLIPS, JUSTIFY. CALCULATE THE LOADS. ECONOMICAL ASPECTS.*

The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of  
Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

- 2) Prof. Sujesh  
Department of Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

- 3) The Finance Officer, KSCST, Bengaluru





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March, 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : **41S\_BE\_0879**

Ref : Your Project Proposal entitled " **RENEWABLE ENERGY AUTONOMOUS DRONE FOR AGRO BASED APPLICATIONS**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Ms. Keerthi K S and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Mr. Manas Jain	Labor	-
		Travel	-
Department	Aeronautical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
RUPEES FIVE THOUDSAND			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

*STUDY THE ECONOMICAL ASPECTS. STUDY THE DRONE AS PER THE TECHNICAL ASPECTS.*

The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,



(S.G.S. Swamy)

Copy to:

1) The Head of the Department of

Aeronautical Engineering

Mangalore Institute Of Technology And Engineering,

Badaga Mijar, Moodabidri,

Mangaluru - 574 225.

2) Mr. Manas Jain

Department of Aeronautical Engineering

Mangalore Institute Of Technology And Engineering,

Badaga Mijar, Moodabidri,

Mangaluru - 574 225.

3) The Finance Officer, KSCST, Bengaluru





# Karnataka State Council for Science and Technology

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March, 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : **41S\_BE\_0882**

Ref : Your Project Proposal entitled " **DESIGN AND DEVELOPMENT OF SLATEX  
GENERATOR**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Shubham Chavan and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Mr. Srinath	Labor	-
		Travel	-
Department	Aeronautical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
	RUPEES FIVE THOUDSAND		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

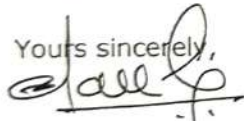
*CHANGE THE REYLONG'S NUMBER MACH NUMBER AT SUPERSONIC AND SUBSONIC CASSES ALSO. COMPARE THE RESULTS WITH SXISTING.*

The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,



(S.G.S. Swamy)

Copy to:

1) The Head of the Department of  
Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

2) Mr. Srinath  
Department of Aeronautical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

3) The Finance Officer, KSCST, Bengaluru





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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018

Your Project Proposal Reference No. : **41S\_BE\_0869**

Ref : Your Project Proposal entitled " **REMOVAL OF METHYLENE BLUE FROM AQUEOUS SOLUTION: AN APPROACH OF ENVIRONMENTAL FRIENDLY ACTIVATED CARBON**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Chaitra M and others	Budget	Amount (Rs)
		Materials/Consumables	3,500.00
Guide/s	Dr. Jayaprakash M C	Labor	-
		Travel	-
Department	Civil Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	4,000.00
	RUPEES FOUR THOUSAND		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

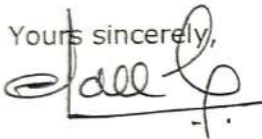
The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of  
Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Dr. Jayaprakash M C  
Department of Civil Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore





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Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018

Your Project Proposal Reference No. : **41S\_BE\_0850**

Ref : Your Project Proposal entitled " **USE OF EGG SHELLS AND SEA SHELLS IN THE REMOVAL OF HEAVY METALS SUCH AS LEAD, CADMIUM AND COPPER FROM WASTE WATER**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Trupti and others	Budget	Amount (Rs)
		Materials/Consumables	4,500.00
Guide/s	Dr. Jayaprakash M C	Labor	-
		Travel	-
Department	Civil Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	5,000.00
	RUPEES FIVE THOUDSAND		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
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- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
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  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

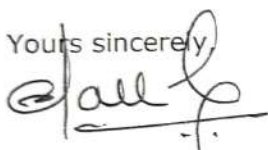
The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

## 1) The Head of the Department of

Civil Engineering

Mangalore Institute Of Technology And Engineering,

Badaga Mijar, Moodabidri,

Mangaluru - 574 225.

## 2) Dr. Jayaprakash M C

Department of Civil Engineering

Mangalore Institute Of Technology And Engineering,

Badaga Mijar, Moodabidri,

Mangaluru - 574 225.

## 3) The Finance Officer, KSCST, Bangalore





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**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018

**Your Project Proposal Reference No. : 41S\_BE\_0487**

Ref : Your Project Proposal entitled " **ELDERLY CARE**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Sinchana C Shetty and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Mr. Ganesh V N	Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	5,000.00
RUPEES FIVE THOUDSAND			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

6) Introduction / background

41S\_BE\_0487

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

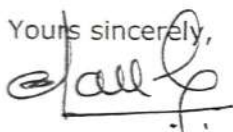
The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Ganesh V N  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore





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Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : **41S\_BE\_2068**

Ref : Your Project Proposal entitled " **CONVERSION OF ATMOSPHERIC AIR TO SOURCE OF ENERGY WATER**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Karthik Mallya M and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Mr. Ranjith H.D	Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	6,500.00
RUPEES SIX THOUSAND FIVE HUNDRED			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

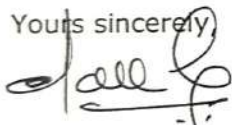
The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Ranjith H.D  
Department of Electronics And Communication Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840  
Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

Ref: 7.1.01/SPP/08

28th March, 2018

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : **41S\_BE\_0838**

Ref : Your Project Proposal entitled " **SELF RETRACTING CHAIR**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Ajay D Kukiyan and others	Budget	Amount (Rs)
		Materials/Consumables	4,500.00
Guide/s	Prof. Rahul Sanjiv	Labor	-
		Travel	-
Department	Mechanical Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	5,000.00
RUPEES FIVE THOUUSDAND			

ie following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

**The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.**

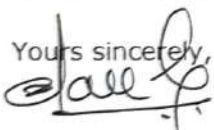
NOVEL

The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Prof. Rahul Sanjiv  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : **41S\_BE\_1539**

Ref : Your Project Proposal entitled " **PORTABLE POLE PRUNER**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Violin Nairr and others	Budget	Amount (Rs)
		Materials/Consumables	4,500.00
Guide/s	Mr. Banuprakash H S	Labor	-
		Travel	-
Department	Mechanical Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	5,000.00
	RUPEES FIVE THOUDSAND		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

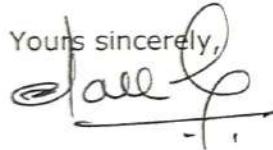
The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 2) Mr. Banuprakash H S  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.
- 3) The Finance Officer, KSCST, Bangalore





# Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th MARCH 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225

Dear Sir,

Sub : Sanction of Student Project (Biofuel) - 41st Series : Year 2017-2018

Your Project Proposal Reference No. :

**41S\_B\_BE\_057**

Ref : Your Project Proposal entitled "

PERFORMANCE AND EMISSION CHARACTERISTICS STUDIES OF CI  
ENGINE USING GRAPHENE AND ALUMINIUM OXIDE NANO PARTICLES  
BLENDED DAIRY WASTE SCUM BIO DIESEL AND EFFECT OF INJECTION  
PRESSURE AND THREE AND FIVE HOLE OF NOZZLE CUMBUTION PROCESS

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme (Biofuel) 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Mohammed Safwan	Budget	Amount (Rs)
	and others	Materials/Consumables	6,000.00
Guide/s	Dr. Vignesh Nayak	Labor	1,000.00
		Travel	1,000.00
		Analysis	-
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>9,000.00</b>
	<b>RUPEES NINE THOUSAND</b>		

The following are the guidelines to carryout the project work :

- The project should be carried out based on the objectives of the proposal sent by you.
- The project should be completed in all respects and **a) One copy** of the hardbound report **b)** Softcopy of the full report (including coverpages, abstract & preliminary pages in a CD (.doc and .pdf format)
- The project report shall mention the name of "**Karnataka State Bioenergy Development Board and Karnataka State Council for Science and Technology**" as sponsored organisations in the title page. Project Title or the objectives can be altered only with prior permission of KSCST. Any change in the project are strictly prohibited and liable for rejection and the amount sanctioned has to be returned back to KSCST. The fund is to be utilised only for the activities to which it has been released.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [biofuelcell.kscst@gmail.com] and should include following :
  - Title of the project
  - Name of the College & Department

Dr. F.

41S\_B\_BE\_057

- 3) Name of the students & Guide(s)
- 4) Keywords
- 5) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (biofuelcell.kscst@gmail.com). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Best Projects will be awarded in Final Seminar / Exhibition.

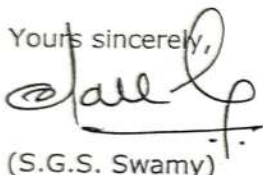
The amount sanctioned for the selected projects will be sent by cheque.

**The Mid term evaluation of the sponsored projects evaluation details will be intimated shortly by email / Website announcement..**

Please visit our website for further announcements / information and for any clarifications please email to biofuelcell.kscst@gmail.com

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225
- 2) Dr. Vignesh Nayak  
Department of Mechanical Engineering  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225
- 3) The Finance Officer, KSCST, Bangalore



**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

28th March 2018

Ref: 7.1.01/SPP/08

The Principal,  
Mangalore Institute of Technology and Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018

**Your Project Proposal Reference No. : 41S\_BE\_0004**

Ref : Your Project Proposal entitled " **MULTINOZZLE MANUALLY OPERATED SPRAYER**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Harsha Rahul Crasta and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Prof. Sunilkumar M R	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	8,000.00
RUPEES EIGHT THOUSAND			

The following are the guidelines to carryout the project work :

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  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

## 6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

## 6) Objectives (about 10 lines)

## 7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

## 8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

## 9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

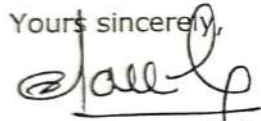
The sanctioned amount will be sent separately by our Accounts Department.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(S.G.S. Swamy)

Copy to:

1) The Head of the Department of  
Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

2) Prof. Sunilkumar M R  
Department of Mechanical Engineering  
Mangalore Institute Of Technology And Engineering,  
Badaga Mijar, Moodabidri,  
Mangaluru - 574 225.

3) The Finance Officer, KSCST, Bangalore



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru - 560012

## LIST OF B.E. PROJECTS SANCTIONED UNDER 40th SERIES OF STUDENT PROJECT PROGRAMME: 2016 - 2017

### 72) MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI

SI No.	Project proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SANCTIONED AMOUNT (Rs.)
288)	40S_BE_0764	EFFECT OF GARNET ON MECHANICAL, WEAR AND CHEMICAL PROPERTIES OF NICKEL ALLOY FOR AEROSPACE AND MARINE APPLICATIONS	AERONAUTICAL ENGINEERING	DR. G. PURUSHOTHAM	MR. AMAR ALVA	8,500.00
289)	40S_BE_0765	FABRICATION OF PNEUMATIC OPERATED EMERGENCY EXIT SYSTEM IN AIRCRAFTS	AERONAUTICAL ENGINEERING	MR PRANEETH H R	MR. PUNITH J REDDY	8,500.00
290)	40S_BE_0928	THERMAL BARRIER COATING FOR EFFICIENT GAS TURBINE	AERONAUTICAL ENGINEERING	DR. G PURUSHOTHAM	MR. DEEPAK REDDY	6,500.00
291)	40S_BE_2080	A STUDY ON THE PHYSICO-CHEMICAL PARAMETERS OF LEACHATE AND ITS IMPACT ON GROUND WATER CONTAMINATION IN THE VICINITY OF MUNICIPAL LANDFILL OF MANGALORE, UDUPI & MOODABIDRI	CIVIL ENGINEERING	PROF. SUSHANTH S. BHANDARY	MR. RAKSHITH	4,500.00
292)	40S_BE_0069	AUTOMATION OF WASTE WATER HARNESSING TO GENERATE ELCTRIC POWER USING SMFC METHODOLOGY	ELECTRONICS AND COMMUNICATION ENGINEERING	MR. PADMA PRASADA	MS. VIJETHA SHETTY	7,000.00
293)	40S_BE_0196	DETECTION AND IDENTIFICATION OF FLYING BIRD SPECIES USING IMAGE PROCESSING	ELECTRONICS AND COMMUNICATION ENGINEERING	MR. DONY ARMSTRONG D'SOUZA	MS. SAVITHA	6,000.00
294)	40S_BE_0372	SMART AUDITORIUM WITH SECURITY SYSTEM	ELECTRONICS AND COMMUNICATION ENGINEERING	MR. SUDARSHAN	MS. ATHMIKA RAI	5,000.00
295)	40S_BE_1021	ARDUINO BASED WATER QUALITY MONITORING SYSTEM	ELECTRONICS AND COMMUNICATION ENGINEERING	PROF. SRI KRISHNA SHASTRI C	MS. AKSHATHA A C	4,000.00
296)	40S_BE_1411	BORDER ALERT AND SAFETY SYSTEM FOR FISHERMEN	ELECTRONICS AND COMMUNICATION ENGINEERING	MR. PRAKASH SHETTY	MS. KEERTHI K KUNDAPUR	5,500.00

KSCST : 40th Series of Student Project Programme : List of Projects sanctioned : 2016 - 2017

  
**Principal**  
**Mangalore Institute of Technology & Engineering**  
**Badaga Mijar, MOODBIDRI - 574 225**

297)	40S_BE_0748	LI-FI BASED BLIND INDOOR NAVIGATION SYSTEM FOR VISUALLY IMPAIRED PEOPLE	INFORMATION SCIENCE AND ENGINEERING	PROF. RAMANANDA MALLYA	MS. AMITHA R.	4,000.00
298)	40S_BE_0887	LIFE SHARE - LOCALIZED BLOOD DONOR CONNECTOR	INFORMATION SCIENCE AND ENGINEERING	PROF. NARENDRA U P	MR. SAMEER AHMED	3,500.00
299)	40S_BE_2056	FABRICATION OF ORGANIC WASTAGE MIXER AND SPRAYER	MECHANICAL ENGINEERING	PROF. ELSTON D'CRUZ	MR. VISHNU VENUGOPAL	8,000.00
300)	40S_BE_2068	MULTINOZZLE MANUALLY OPERATED SPRAYER	MECHANICAL ENGINEERING	PROF. SUNIL KUMAR	MR./ PRAKYATH R. SALIAN	7,000.00
301)	40S_BE_2077	PEDAL POWDERED REVERSE OSMOSIS WATER PURIFICATION	MECHANICAL ENGINEERING	PROF. L.V. GIRISH	MR. SHIVARAJKUMAR	6,000.00



Principal  
Mangalore Institute of Technology & Engineering  
Badaga Milar, MOCCHINDRI - 574 225



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru 560012

## LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40<sup>th</sup>SERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

### 20) MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sectioned Amount(Rs.)
27.	40S_B_BE_043	STUDIES ON STABLE DISPERSION OF CARBON NANO TUBE MATERIALS IN BIODIESEL FUEL	MECHANICAL ENGINEERING	DR. C. R. RAJASHEKHAR	MR. JOEL RAKSHITH ALBERT	9,000.00
28.	40S_B_BE_045	PERFORMANCE AND EMISSION STUDIES OF NANO PARTICLE ADDED BIODIESEL BLENDED FUELS IN CI ENGINE	MECHANICAL ENGINEERING	MR. SANDEEP K.	MR. VAIBHAV SHETTY	8,000.00

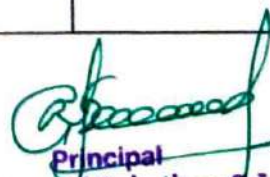
  
Principal  
Mangalore Institute of Technology & Engineering  
Badaga Mijar, MOODBIDRI - 574 225

KSCST : 40th Series of Student Project Programme (Biofuel/Bioenergy) : List of Projects sanctioned : 2016-2017

### 63) MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI

252.	39S_BE_0370	SOLAR POWER BASED MACHINE FOR IDENTIFICATION OF DISEASES IN PLANT AND MAINTENANCE	ELECTRONICS AND COMMUNICATION ENGINEERING	MR. SUDARSHAN BHAT	MS ANUSHREE
253.	39S_BE_0371	BUS PASS GENERATION SYTEM USING ANDROID APPLICATION	INFORMATION SCIENCE AND ENGINEERING	MR. NARENDRA U P	MS M RASHMI
254.	39S_BE_0373	SMART WASTE MANAGEMENT SYSTEM	COMPUTER SCIENCE AND ENGINEERING	MS. NIRMALA Y BARIKER	MR ACHARYA KIRAN UMESH
255.	39S_BE_0378	AUTOMATED TOLL TAX COLLECTIONSYSTEM USING NFC (ATTCS)	COMPUTER SCIENCE AND ENGINEERING	MRS. RENITA TELLIS	MR HAFIS MUHAMMED NF
256.	39S_BE_0384	IOT BASED AUTOMATIC WASTE MANAGEMENT SYSTEM	TELECOMMUNICATION ENGINEERING	MR. RANJITH H D	MS HARSHITA CHANDRASHEKHAR NAIK
257.	39S_BE_0888	SOLAR POWERED NATURAL FRIDGE	MECHANICAL ENGINEERING	MR. VIJAY KUMAR S L	HARSHENDRA POOJARY
258.	39S_BE_0890	SYNTHESIS AND APPLICATION OF MULTIWALLED CARBON NANOTUBES IN BIODIESEL COMBUSTION	MECHANICAL ENGINEERING	MR. SANDEEP K	MR. SANATH KIDIYOR
259.	39S_BE_0893	DEVELOPMENT OF NSC AND HSC USING LATERITE SOIL AS A REPLACEMENT TO SAND	CIVIL ENGINEERING	MR.ABHILASH D T	MR.AVINASH KUMAR
260.	39S_BE_0903	THERMOPILE ASSISTED IMPROVISED COOKSTOVE	MECHANICAL ENGINEERING	MR. GIRISH L. V	MR. ADITH PS
261.	39S_BE_0906	TRIPLET LIFI	ELECTRONICS AND COMMUNICATION ENGINEERING	MR. H M RAMALINGAM	MR SHIBIN GEORGE
262.	39S_BE_2222	EXPERIMENTAL INVESTIGATION OF MECHANICAL PROPERTIES FOR TAMARIND AND EGG SHELL PARTICLE AS A FILLERS IN EPOXY HYBRID COMPOSITES	AERONAUTICAL ENGINEERING	PROF. SRINIVAS K R	MR. JAIN HARIPRASADP
263.	39S_BE_2227	BIO-INSPIRED MORPHING WING	AERONAUTICAL ENGINEERING	MR. SATHISH A S	MR. PRAJEET SINGH

39<sup>th</sup> Series : SPP : KSCST : 2015 - 2016

  
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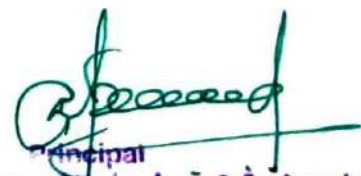
## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru 560012

### LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 39<sup>th</sup>SERIES OF STUDENT PROJECT PROGRAMME: 2015-2016

#### 26) MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sectioned Amount
38.	39S_B_BE_004	FUEL OIL EXTRACTION THROUGH PYROLYSIS USING SOLAR ASSISTED FORCED CONVECTION AIR HEATER	MECHANICAL ENGINEERING	DR. C.R. RAJASHEKAR	MR. PRAMOD B. PARIT	12,000.00

  
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**For Part-3 Documents**

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